Issuance Date: May 19, 2004 Effective Date: July 1, 2004 Expiration Date: May 18, 2009 Amended Date: December 28, 2005

STATE WASTE DISCHARGE PERMIT NUMBER ST 5369

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY Eastern Regional Office

In compliance with the provisions of the State of Washington Water Pollution Control Law Chapter 90.48 Revised Code of Washington, as amended, authorizes

> City of Pasco P.O. Box 293 Pasco, WA 99301

to discharge wastewater in accordance with the special and general conditions which follow.

<u>Facility Location</u>: North of Pasco, east of U.S. Highway 395, and north and south of East Foster Wells Road.

Discharge Location: 1778 acres; S ½ of Section 34, T.10, R.30; N ½ and SW ¼ Section 12, and Section 3 and 11, T.9, R.30, E.W.M.

, ,

<u>Industry Type</u>: Municipally owned combined vegetable processing wastewater treatment

using spray irrigation

Latitude: 46° 17' 35" N Longitude: 119° 02' 24" W

SIC Code: 4953

James M. Bellatty Water Quality Section Manager Eastern Regional Office

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	August 15, 2004
S5.A	Operations and Maintenance Manual - Update	1/ permit cycle	September 1, 2005
S7.	Farm Circle Report	1/ year	April 1, 2005
S8.	Farm Management Plan - Update	1/ permit cycle	June 1, 2006
G7.	Application for permit renewal	1/ permit cycle	November 18, 2008

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply wastewater to land via spray irrigation at agronomic rates, for nitrogen and water, and at rates for other wastewater constituents that are protective of the background ground water quality.

The Permittee is authorized to apply wastewater for final treatment on the following designated irrigation lands:

Approximately 1778 acres located approximately five (5) miles north of the city of Pasco, one mile east of U.S. Highway 395, and north and south of East Foster Wells Road; S ½ of Section 34, T.10, R.30; N ½ and SW ¼ Section 12, and Section 3 and 11, T.9, R.30, E.W.M.

Total nitrogen and water shall be applied to the irrigation lands as determined by the current Farm Management Plan. The system must be operated by the Permittee so as to protect the existing and future beneficial uses of the ground water and not cause a violation of the ground water standards (WAC 173-200).

S2. MONITORING REQUIREMENTS

A. Raw Wastewater Monitoring

The sampling point for the raw wastewater shall be from the lift station located on West Foster Wells Road.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow (monthly total, avg., max)	MG, MGD	continuous ^a	meter

^a Continuous means uninterrupted except for brief lengths of time for calibration, for power failure, or for unanticipated equipment repair or maintenance.

B. **Irrigation Wastewater Monitoring**

The sampling point for the irrigation wastewater shall be from the irrigation pump discharge line located at the irrigation pump building.

The Permittee shall monitor the irrigation wastewater according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow (total annual ^a ; monthly total; avg, max)	MG, MGD	Continuous	meter
TKN (as N) (total annual; monthly total; avg, max)	mg/L; lbs, lbs/day	2/ month	24hr composite
NO ₃ +NO ₂ (as N) (total annual; monthly total; avg, max)	mg/L; lbs, lbs/day	2/ month	24hr composite
Total Nitrogen ^b (as N) (total annual; monthly total; avg, max)	mg/L; lbs, lbs/day	2/ month	24hr composite
BOD ₅ (total annual; monthly total; avg, max)	mg/L; lbs, lbs/day	2/ month	24hr composite
pH (max, min)	s.u.	1/ week	grab
Fixed Dissolved Solids (total annual; monthly total; avg, max)	mg/L; lbs; lbs/day	2/ month	24hr composite
Sodium	mg/L	2/ year ^c	24hr composite
Boron	mg/L	2/ year ^c	24hr composite
Calcium	mg/L	2/ year ^c	24hr composite
Magnesium	mg/L	2/ year ^c	24hr composite
Potassium	mg/L	2/ year ^c	24hr composite
Sulfate	mg/L	2/ year ^c	24hr composite
Chloride	mg/L	2/ year ^c	24hr composite
Bicarbonate	mg/L	2/ year ^c	24hr composite
Total Phosphate (as P)	mg/L	2/ year ^c	24hr composite

^a Total annual: a running yearly total value ^b Total nitrogen = TKN + NO₃ + NO₂

^c May and September

C. <u>Ground Water Monitoring</u>

The sampling points for ground water will be from wells MW1-MW9 according to the following schedule:

Parameter	Units	Location	Sampling Frequency	Sample Type	
NO ₃ (as N)	mg/L	MW2 - MW9	1/ month	Grab	
Total dissolved solids	mg/L	MW2 - MW9	1/ month	Grab	
NO ₃ (as N)	mg/L	MW1	4/ year ^a	Grab	
Total dissolved solids	mg/L	MW1	4/ year ^a	Grab	
Static water level elevation	to the nearest 0.01ft above sea level	MW1 - MW9	4/ year ^a	Field Measurement	
рН	s.u.	MW1 - MW9	4/ year ^a	Grab	
Conductivity	umhos/cm	MW1 - MW9	4/ year ^a	Grab	
Bicarbonate	mg/L	MW1 - MW9	4/ year ^a	Grab	
Sodium	mg/L	MW1 - MW9	4/ year ^a	Grab	
Calcium	mg/L	MW1 - MW9	4/ year ^a	Grab	
Potassium	mg/L	MW1 - MW9	4/ year ^a	Grab	
Chloride	mg/L	MW1 - MW9	4/ year ^a	Grab	
Sulfate	mg/L	MW1 - MW9	4/ year ^a	Grab	
Magnesium	mg/L	MW1 - MW9	4/ year ^a	Grab	
^a February, May, August, November					

D. Soil Monitoring

1. Annual Monitoring

The Permittee shall perform soil monitoring on the irrigation lands twice per year. The sampling sites shall be located so as to be representative of each irrigation site or as represented in the crop management plan. If possible, sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done on one foot soil increments. Results shall be submitted annually with the annual update to the Farm Management Plan.

Composite samples will be for six depths [0-12"; 12-24"; 24-36"; 36-48"; 48-60"; 108-120" (or until auger refusal)] and will be from a minimum of four (4) cores from each field. Samples will be collected at a time that best represents soil conditions at the end (Fall) of the crop growing season.

The Permittee shall monitor the soils at the center pivot sprayfields according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Moisture content	%	Each sprayfield	1-5
NO ₃ (as N)	mg/Kg	Each sprayfield	1-5
Conductivity	mmhos/cm	Each sprayfield	1-5

The Permittee shall perform the following soil monitoring on the irrigation lands once per permit cycle; year 2006. The sampling sites shall be the same as those used for the twice per year sampling described above. Testing at each sampling site shall be done on one-foot soil increments. Results shall be compiled and submitted with the annual update to the Farm Management Plan (Section S7).

Composite samples will be from a minimum of four (4) cores from each field. Samples will be collected at a time that best represents soil conditions at the beginning and end of the crop growing season.

The Permittee shall monitor the soils in the center pivot sprayfields according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Exchangeable sodium percentage	%	Each sprayfield	1-5, 10
Cation exchange capacity	meq/100g	Each sprayfield	1-5, 10
Organic matter	%	Each sprayfield	1-5, 10
Moisture content	%	Each sprayfield	1-5, 10
TKN (as N)	mg/Kg	Each sprayfield	1-5, 10
NO ₃ (as N)	mg/Kg	Each sprayfield	1-5, 10
NH ₃ (as N)	mg/Kg	Each sprayfield	1-5, 10
Total-P (as P)	mg/Kg	Each sprayfield	1-5, 10
Conductivity	mmhos/cm	Each sprayfield	1-5, 10
Sodium	meq/100g	Each sprayfield	1-5, 10
Calcium	meq/100g	Each sprayfield	1-5, 10
Magnesium	meq/100g	Each sprayfield	1-5, 10

Parameter	Units	Sample Point	Depth Increments ¹
Potassium	mg/Kg	Each sprayfield	1-5, 10
Sulfate (as S)	mg/Kg	Each sprayfield	1-5, 10
Ph	s.u.	Each sprayfield	1-5, 10
¹ Depth (inches) vs. Depth incre	ement (ft.) for composite	e samples:	
0 -12" 1			
12-24" 2			
24-36" 3			
36-48" 4			
48-60" 5			

E. <u>Crop Monitoring</u>

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108-120" 10 (or until auger refusal)

60-72"

The Permittee shall perform crop monitoring on each field once per harvest for alfalfa, grass, wheat, mint, and related types of forage/grain crops. Composite samples will be comprised of at least ten (10) random samples collected from each center-pivot field.

The results of all crop monitoring analyses will be summarized, tabulated and presented annually in the updated Farm Circle Report (Section S7).

Parameter	Units
Crop production	dry tons/ac
Moisture content	%
Crude protein	%
Total Kjeldahl Nitrogen	%
NO ₃ (as N)	mg/Kg (dry wt)
Total-P (as P)	mg/Kg (dry wt)
Sodium	mg/Kg (dry wt)
Magnesium	mg/Kg (dry wt)
Potassium	mg/Kg (dry wt)
Calcium	mg/Kg (dry wt)

F. Farm Circle Report Monitoring

The Permittee shall perform the following monitoring to be reported in the annual Farm Circle Report (Section S7).

Parameter	Units
Total annual nitrogen load to each sprayfield (wastewater + supplemental well water + fertilizer)	lbs; lbs/acre
Total annual nitrogen removed by crops for each sprayfield	lbs
Nitrogen balance for each sprayfield	+/- lbs
Estimated leaching fraction (LF) for each sprayfield	%
Total annual Fixed Dissolved Solids load to each field (wastewater + supplemental well water + supplemental fertilizer)	lbs; lbs/acre
Total annual Fixed Dissolved Solids removed by crops for each field	lbs
Fixed Dissolved Solids balance for each sprayfield	+/- lbs
Total annual water load to each field (wastewater + supplemental + precip)	million gallons; in/acre
Total annual water loss for each field (crop uptake + evaporation + leached)	million gallons; in/acre
Water balance for each sprayfield	+/- million gallons
Total annual wastewater BOD load to each sprayfield	lbs; lbs/acre

G. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981, or the most recent, widely accepted equivalent.

H. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

I. <u>Laboratory Accreditation</u>

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Internal process control test parameters are exempt from this requirement. pH shall be accredited if the laboratory must otherwise be registered or accredited.

Crops and soils testing have not been included in the accreditation program. Crops and soils data shall be provided by a reputable agricultural test lab that is an active participant in a nationally recognized agricultural laboratory proficiency testing program.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. The report shall be sent to the Department of Ecology, Water Quality Permit Coordinator, 4601 N. Monroe St., Spokane, Washington, 99205-1295.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "NO DISCHARGE" entered in place of the monitoring results.

B. <u>Records Retention</u>

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. <u>Noncompliance Notification</u>

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

- 1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
- 2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
- 3. Immediately (within 48hrs) notify the Department of the failure to comply;
- 4. Provide written notification with the monthly discharge monitoring report; and,
- 5. Submit a detailed written report to the Department within thirty days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

F. <u>Maintaining a Copy of This Permit</u>

A copy of this permit shall be kept at the facility and be made available upon request to Ecology inspectors.

S4. FACILITY LOADING

Design Criteria

Flows or waste loadings of the following design criteria for the permitted treatment facility shall not be exceeded:

Average flow for the maximum month: 7.6 MGDTotal annual flow 718.7 MGBOD₅ loading for the maximum month 260,000 lbsTotal annual nitrogen load: 538,776 lbs

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Operations and Maintenance Manual - Update

An update to the 1996 Operations and Maintenance (O&M) Manual shall be prepared by the Permittee in accordance with WAC 173-240-150 and be submitted to the Department for approval by September 1, 2005.

After its approval, the O&M Manual shall be reviewed by the Permittee at least annually. All manual changes or updates shall be submitted to the Department for review and approval whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the permitted facility.

The operation and maintenance manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

In addition to the requirements of WAC 173-240-150(1) and (2), the manual shall include:

- 1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset, failure, or electrical power loss;
- 2. Irrigation system operational controls and procedures;

- 3. Facility maintenance procedures;
- 4. Protocols and procedures for ground water monitoring network sampling and testing consistent with monitoring plan requirements in Ecology's ground water quality standards implementation guidance (Ecology, 1996);
- 5. Protocols and procedures for wastewater sampling and testing to meet permit requirements;
- 6. Procedures for wastewater pipeline repair in case of leak or failure;
- 7. A description of mechanical controls, settings, and fail safes for the operation of the lift station, pumping, lagoon, and sprayfield system during weekends and evening hours.

B. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the treatment system.

The bypass of wastes from any portion of the treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

- 1. *Unavoidable Bypass* -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.
 - If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with condition S3.E "Noncompliance Notification."
- 2. Anticipated Bypass That Has the Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenancerelated activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.

c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

C. <u>Irrigation Land Application</u>

- 1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.
- 2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.
- 3. The wastewater shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - b. Would cause long-term anaerobic conditions in the soil.
 - c. Would cause ponding of wastewater and produce objectionable odors or support insects or vectors.
 - d. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
- 4. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of the permit cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.

D. <u>Best Management Practices\Pollution Prevention Program</u>

The Permittee shall follow these Best Management Practices:

- 1. Whenever and where ever possible, the Permittee shall implement irrigation best management practices as described in "Irrigation Management Practices to Protect Ground Water and Surface Water Quality, State of Washington" (Ecology, 1995).
- 2. All pumps and equipment provided for wastewater conveyance shall be continuously maintained to provide effective operation.
- 3. Wastewater applications to newly seeded or fallow fields shall be kept to a minimum.
- 4. The route of the main wastewater transmission line shall be visually inspected daily for any signs of leakage.
- 5. Wind direction and speed shall be considered when operating each center pivot with wastewater to reduce off site drift of water and any odors.

S6. SOLID WASTE DISPOSAL

A. <u>Solid Waste Handling</u>

The Permittee shall handle and dispose of all solid waste material in such a manner as to prevent its entry into state ground or surface water.

B. Leachate

The Permittee shall not allow leachate from its solid waste material to enter state waters without providing all known, available and reasonable methods of treatment, nor allow such leachate to cause violations of the State Surface Water Quality Standards, Chapter 173-201A WAC, or the State Ground Water Quality Standards, Chapter 173-200 WAC. The Permittee shall apply for a permit or permit modification as may be required for such discharges to state ground or surface waters.

S7. FARM CIRCLE REPORT - ANNUAL

A Farm Circle Report shall be submitted annually by April 1st for Department review. The plan shall conform with *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. The plan must be reviewed and approved by a soil scientist. The plan shall include the following elements:

A. Annual Summary of Farm Operations for Previous Year

This summary shall include:

1. For each crop grown, the total acreage and quantity harvested.

- 2. Calculated balances for nitrogen, FDS, or other design limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nitrogen, FDS, or other design limiting parameters, and contributions from commercial fertilizers applied and the supplemental irrigation water.
- 3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile outside the normal growing season, and salt leaching requirements and leaching fraction.
- 4. Soil testing results. A summary of the soil testing results shall be submitted and discussed as part of the annual plan.

The soil testing results shall include a continuous yearly trend analysis for the soil nitrate and conductivity at each one-foot soil depth as required in Section S2.D, for each circle.

- 5. Crop testing results. A summary of the crop testing results shall be submitted and discussed as part of the annual update of the plan.
- 6. Report and discuss all of the testing requirements listed in Section S2.F of this permit.
- 7. Calculate and report the leaching fraction for each sprayfield, compare the values to the recommended leaching requirement of 7.6 to 11.5% and discuss the scheduling used to apply additional irrigation water to meet the leaching requirement.
- 8. Ground water trend analysis. A continuous three year trend analysis of monthly values for nitrate and TDS at each downgradient well will be reported, and compared to the following values. The analysis shall start with the 2002 well data.

For MW2, 3, 7, and 8: Total dissolved solids = 673 mg/L

Nitrate (as N) = 33 mg/L

For MW4 and 5: Total dissolved solids = 496 mg/L

Nitrate (as N) = 12 mg/L

B. Irrigation and Cropping Schedule for Upcoming Year

The irrigation and cropping schedule for the upcoming growing year, as given in the current Farm Management Plan shall be reviewed and modified, if necessary, to reflect any changes in: cover crops, crop rotation, expected yields, soil moisture, residual soil nutrient level, herbicide/pesticide applications, fertilizer application, frequency and timing of wastewater and irrigation water application, and any planned leaching to control salt buildup in the root zone.

S8. FARM MANAGEMENT PLAN – UPDATE

No later than June 1, 2006, the Permittee shall submit to the Department for review a revised Farm Management Plan that describes the crop rotation schedule for the sprayfields as described in the January 10, 2001 updated Farm Management Plan, and the revisions to this prepared by Clark Jennings & Associates in 2003.

The updated plan shall, at a minimum, cover the cropping years 2006-20011, and shall estimate the nitrogen treatment capacity and water requirements of the sprayfield site for each year.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G8. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;

- B. A copy of the permit is provided to the new owner and;
- C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.